

**IN THE CLAIMS:**

Please amend claims 2, 10, 17 and 21-23 as follows.

1. (Canceled)

2. (Currently Amended) A transceiver circuit for transmitting and receiving ~~industry-standard~~ data signals, said transceiver circuit comprising:

a transmitter subcircuit transmitting a pulse during a powered-down mode to indicate a status and using a first clock management mode, wherein said pulse ~~does not conform to an industry-standard pulse~~ differs from another for indicating a power-on status;

a receiver subcircuit;

wherein said transmitter subcircuit and said receiver subcircuit each have its own power supply and means for activation and deactivation on the transceiver circuit; and

wherein when said transmitter subcircuit is in a power-on mode, the transmitter subcircuit transmits the ~~industry-standard~~ another pulse for indicating the power-on status and uses a second clock management mode.

3. (Previously Presented) A transceiver circuit as recited in claim 2 wherein said pulse is a link pulse.

4. (Previously Presented) A transceiver circuit as recited in claim 2 wherein said pulse is a minimally powered pulse.

5. (Currently Amended) A transceiver circuit as recited in claim 2 wherein said pulse conforms to the ~~industry-standard~~ another pulse for indicating the power-on status once a signal is received on said receiver subcircuit.

6. (Previously Presented) A transceiver circuit as recited in claim 5 wherein said transceiver enters into auto-negotiation mode to identify the received signal on said receiver subcircuit.

7. (Currently Amended) A transceiver circuit as recited in claim 2 wherein said receiver subcircuit having a media independent interface for receiving the data signals, and wherein said ~~receiver-subcircuit~~ media independent interface remains power-on during powered-down mode and wherein said pulse is a normal link pulse.

8. (Previously Presented) A transceiver circuit as recited in claim 7 wherein said receiver subcircuit upon receiving activity activates said transceiver into the power-on mode.

9. (Currently Amended) A transceiver circuit as recited in claim 7 wherein said transceiver in a power-down mode powers-down all subcircuits except for said transmitter subcircuit and said media independent interface.

10. (Currently Amended) A transceiver circuit for transmitting and receiving ~~industry-standard~~ data signals, said transceiver circuit comprising:

a transmitter subcircuit transmitting a pulse during a powered-down mode to indicate a status and using a first clock management mode, wherein said pulse ~~does not conform to an industry standard~~ differs from another pulse for indicating a power-on status;

a receiver subcircuit having a media independent interface for receiving data, said ~~receiver subcircuit~~ media independent interface remains power-on during the powered-down mode;

wherein said transmitter subcircuit and said receiver subcircuit each have its own power supply and means for activation and deactivation on the transceiver circuit; and

wherein when said transmitter subcircuit is in a power-on mode, the transmitter subcircuit transmits the ~~industry standard~~ another pulse for indicating the power-on status and uses a second clock management code.

11. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said pulse is a link pulse.

12. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said pulse is a minimally powered pulse.

13. (Currently Amended) A transceiver circuit as recited in claim 10 wherein said pulse conforms to the ~~industry standard~~ another pulse for indicating the power-on status once a signal is received on said receiver subcircuit.

14. (Previously Presented) A transceiver circuit as recited in claim 13 wherein said transceiver enters into auto-negotiation mode to identify the received signal on said receiver subcircuit.

15. (Previously Presented) A transceiver circuit as recited in claim 10 wherein said receiver subcircuit upon receiving activity activates said transceiver into the power-on mode.

16. (Currently Amended) A transceiver circuit as recited in claim 10 wherein said transceiver in the power-down mode powers-down all subcircuits except for said transmitter ~~pulse~~ subcircuit and said media independent interface ~~subcircuit~~.

17. (Currently Amended) A transceiver circuit for transmitting and receiving industry-standard data signals, said transceiver circuit comprising:

a transmitter subcircuit transmitting a minimally powered link pulse during a powered-down mode to indicate status using a clock management mode, wherein said pulse ~~does not conform to an industry standard~~ differs from pulse for indicating a power-on status; and

a receiver subcircuit having a media independent interface for receiving data, said ~~receiver subcircuit~~ media independent interface remains power-on during the powered-down mode and the clock management mode, and upon receiving signal activity activates said transceiver into a power-on mode;

wherein said transmitter subcircuit and said receiver subcircuit each have its own power supply and means for activation and deactivation on the transceiver circuit; and

wherein when said transmitter subcircuit is in the power-on mode, the transmitter subcircuit transmits the ~~industry-standard~~ another pulse for indicating the power-on status using another clock management mode.

18. (Currently Amended) A transceiver circuit as recited in claim 17 wherein said pulse conforms to the ~~industry-standard~~ pulse for indicating the power-on status once a signal is received on said receiver subcircuit.

19. (Previously Presented) A transceiver circuit as recited in claim 17 wherein said transceiver enters into auto-negotiation mode to identify a received signal on said receiver subcircuit.

20. (Currently Amended) A transceiver circuit as recited in claim 17 wherein said transceiver in the power-down mode powers-down all subcircuits except for said transmitter subcircuit and said media independent interface subcircuit.

21. (Currently Amended) A transceiver circuit for transmitting and receiving ~~industry-standard~~ data signals, said transceiver circuit comprising:

transmitter subcircuit means for transmitting a pulse during a powered-down mode to indicate a status and using a first clock management mode, wherein said pulse ~~does not~~

~~conform to an industry standard~~ differs from another pulse for indicating a power-on status;

receiver subcircuit means for receiving data;

wherein said transmitter subcircuit means and said receiver subcircuit means each have its own power supply and means for activation and deactivation on the transceiver circuit; and

wherein when said transmitter subcircuit media is in a power-on mode, the transmitter subcircuit means transmits the ~~industry standard~~ another pulse for indicating the power-on status and uses a second clock management mode.

22. (Currently Amended) A transceiver circuit for transmitting and receiving ~~industry standard~~ data signals, said transceiver circuit comprising:

transmitter subcircuit means for transmitting a pulse during a powered-down mode to indicate a status and using a first clock management mode, wherein said pulse ~~does not conform to an industry standard~~ differs from another pulse for indicating a power-on status;

receiver subcircuit means ~~for~~ having a media independent interface for receiving data, said media independent interface ~~receiver subcircuit~~ remains power-on during the powered-down mode;

wherein said transmitter subcircuit means and said receiver subcircuit means each have its own power supply and means for activation and deactivation on the transceiver circuit; and

wherein when said transmitter subcircuit means is in a power-on mode, the transmitter subcircuit means transmits the ~~industry-standard~~ another pulse for indicating the power-on status and uses a second clock management mode.

23. (Currently Amended) A transceiver circuit for transmitting and receiving ~~industry-standard~~ data signals, said transceiver circuit comprising:

a transmitter subcircuit means for transmitting a minimally powered link pulse during a powered-down mode to indicate a status and using a clock management mode, said pulse ~~does not conform to an industry-standard~~ differs from another pulse for indicating a power-on status; and

a receiver subcircuit means having a media independent interface for receiving data, said ~~receiver subcircuit means~~ media independent interface remains power-on during the powered-down mode and uses the clock management mode, and upon receiving signal activity activates said transceiver into a power-on mode;

wherein said transmitter subcircuit means and said receiver subcircuit means each have its own power supply and means for activation and deactivation on the transceiver circuit; and

wherein when said transmitter subcircuit means is in the power-on mode, the transmitter subcircuit means transmits the ~~industry-standard~~ another pulse for indicating the power-on status and uses another clock management mode.